



RE: QAPP for the radium dial sites

Monnig, Rob to Randy Schademmann, Megan Brunkhorst, Don
Lininger, CharlesA Hooper

03/04/2009 03:12 PM

History: This message has been replied to.

Randy,

RATs training seemed to go pretty well. We were able to connect the Ludlum 2241 with a 44-10 detector (this is the ratemeter/probe we used at S. Bruce Stark) to the RATs system and collect data. We were unable to get the Ludlum 2221 that we borrowed from Roger Shura to talk to RATs, but I will do more troubleshooting and talk to Brian Cooper and/or ERT to see if I can get it working. I have the whole RAT system over at my office so that Colin Willits and I can practice with it.

I'll check into the E-PERMs and let you know in the next few days what I find.

Do you know how extensive the indoor analysis will be? I noticed the QAPP mentions possibly using the floor monitor.

Rob Monnig, PE, LEED-AP | Chemical Engineer
Direct: 816.412.1775 | Main: 816.412.1741 | Fax: 816.410.1748
rob.monnig@ttemi.com

Tetra Tech | Kansas City Operations | 415 Oak Street | Kansas City, MO 64106
| www.tetrattech.com Complex World, Clear Solutions(tm)

-----Original Message-----

From: Schademmann.Randy@epamail.epa.gov [mailto:Schademmann.Randy@epamail.epa.gov]
Sent: Thursday, February 26, 2009 9:47 AM
To: Brunkhorst.Megan@epamail.epa.gov; Lininger.Don@epamail.epa.gov; Monnig, Rob; Hooper.CharlesA@epamail.epa.gov
Subject: Re: QAPP for the radium dial sites

Attached is the pdf of the EPA-approved QAPP for the three sites. A couple of issues to make sure we're all on the same page:

We are using NAREL for the soil samples analysis. They are in the process of changing their technique to expedite the alpha spectroscopy method (the gold standard which in the case of S Bruce Stark, took almost a year). We'll only do gamma spectroscopy on these assessment samples with the idea that we may use the new, hopefully quicker alpha method for the removal confirmation analysis. I'll set up the paper work with NAREL for the assessment samples. As far as other analysis (e.g., KDHE did see some chlorinate solvents) I've spoken with our removal contractor and he is sending out some feelers to brokers to see if we need any other parameters for disposal. At S Bruce Stark, we collected a profile sample after the assessment but if we can catch it in this assessment phase it may help move things along. If we do need some other analysis, we can set that up with our lab or have START sub it out. We'll cross that bridge later.

At S Bruce Stark we used a Durrige RAD7 for real-time analysis of radon inside the house and shop. I plan on using this again this

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year but it looks like that might not be a viable option in the long run. Rob, could you see if there are E-Perms for rent. It sounds like this is the technology to follow and if it works out, we may buy one under our action memo for the sites (the kits run around \$4k). Megan and I assume Rob and maybe Chuck are attending the RATs training next week. Learn it well young grasshoppers.

It looks like we are still on schedule for beginning these assessments the week of March 23. I suspect with the number of people we'll have, we can knock all three out in a week.

Any questions, call...

Randy

----- Forwarded by Randy Schademann/SUPR/R7/USEPA/US on 02/26/2009 09:20 AM -----

ric2051sp-4232@e
pa.gov

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Randy
Schademann/SUPR/R7/USEPA/US@EPA
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